

FIG.1

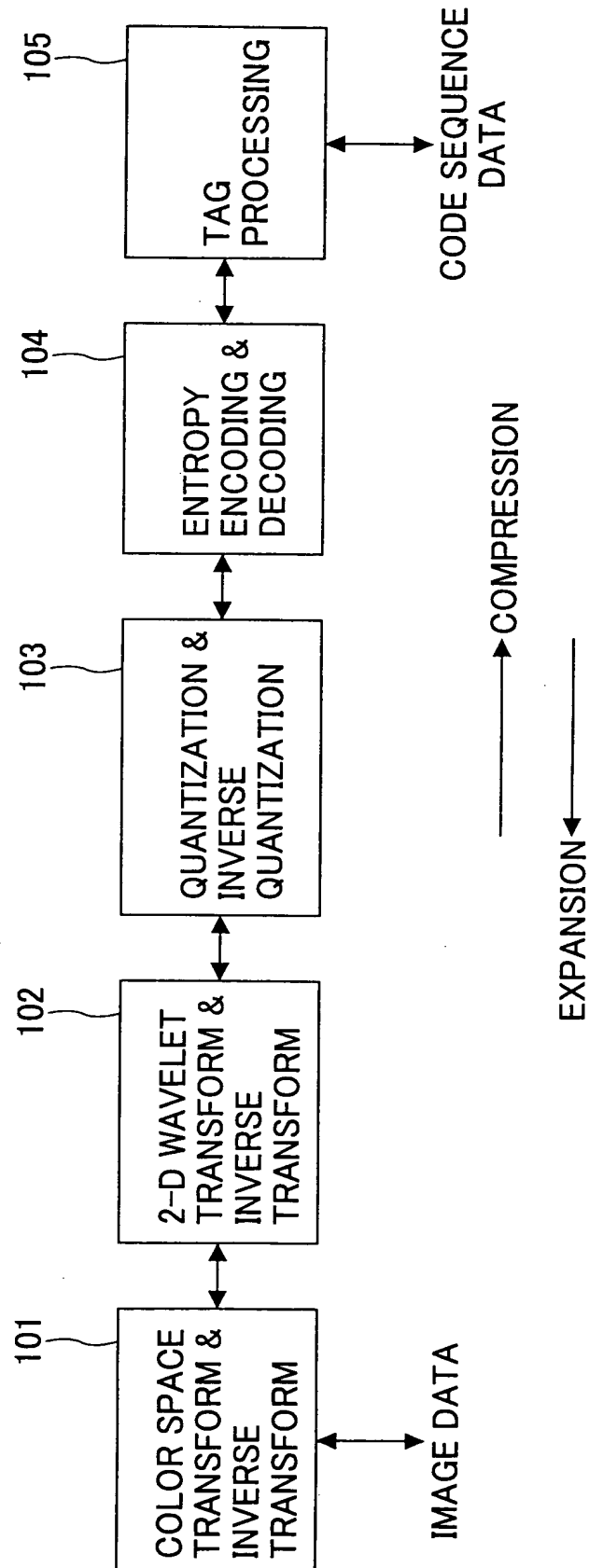


FIG.2

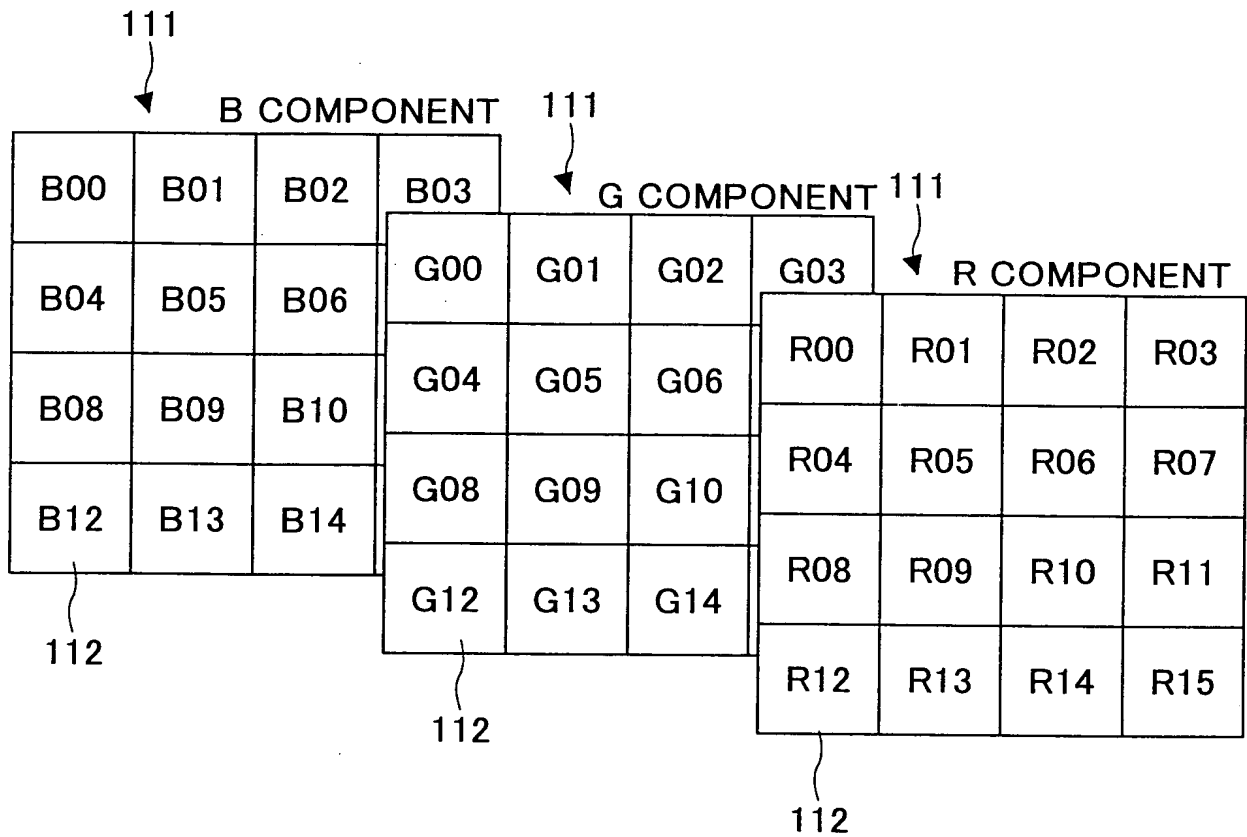
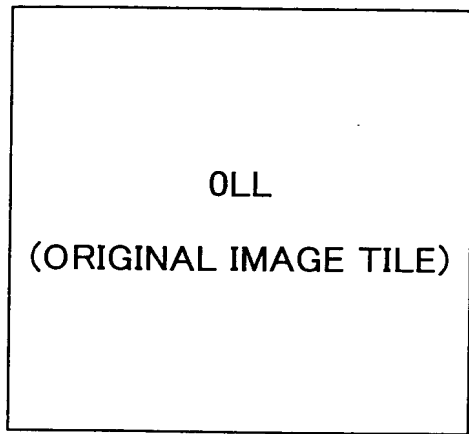
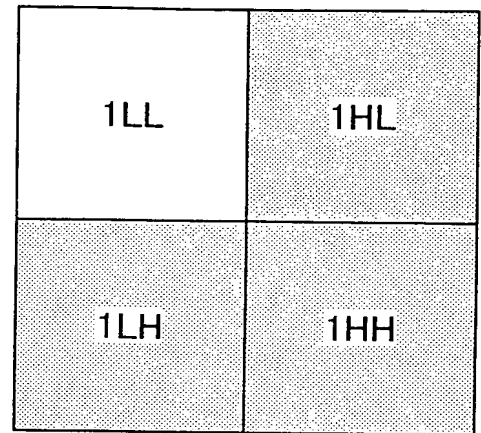


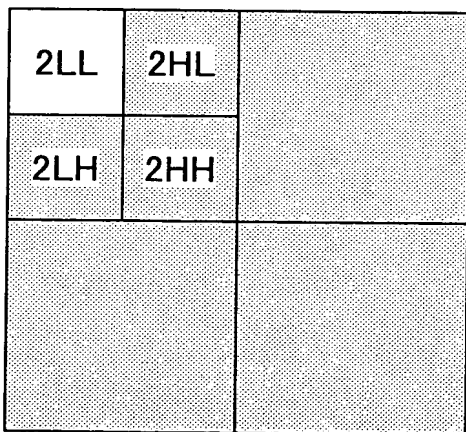
FIG.3



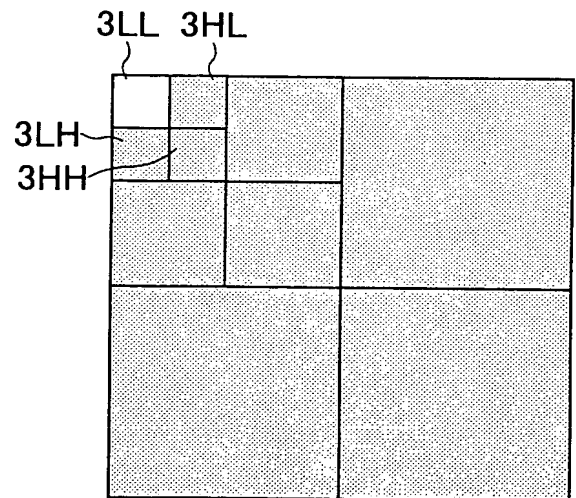
DECOMPOSITION_LEVEL1_0



DECOMPOSITION_LEVEL1_1



DECOMPOSITION_LEVEL1_2



DECOMPOSITION_LEVEL1_3

FIG.5

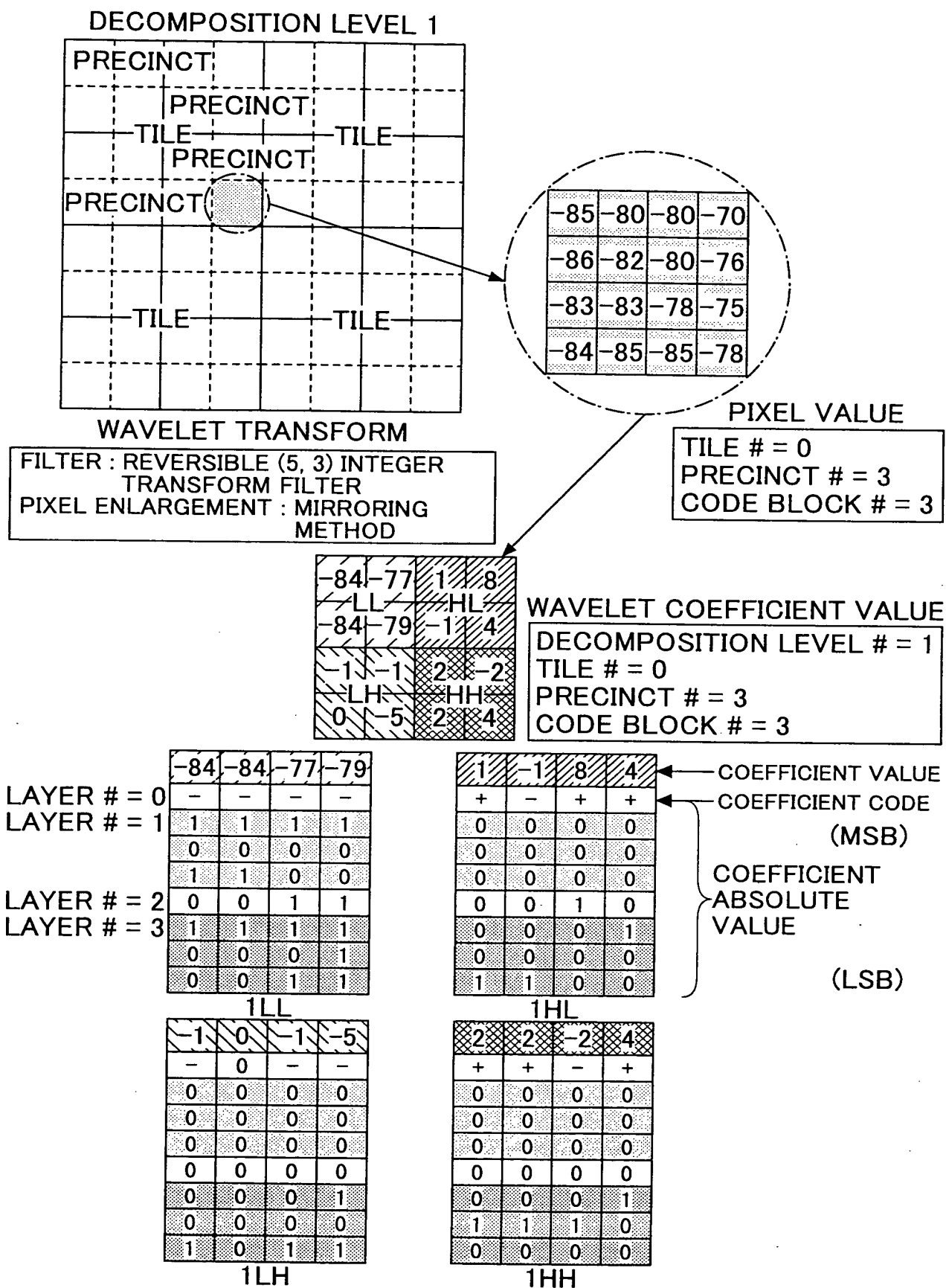


FIG.6

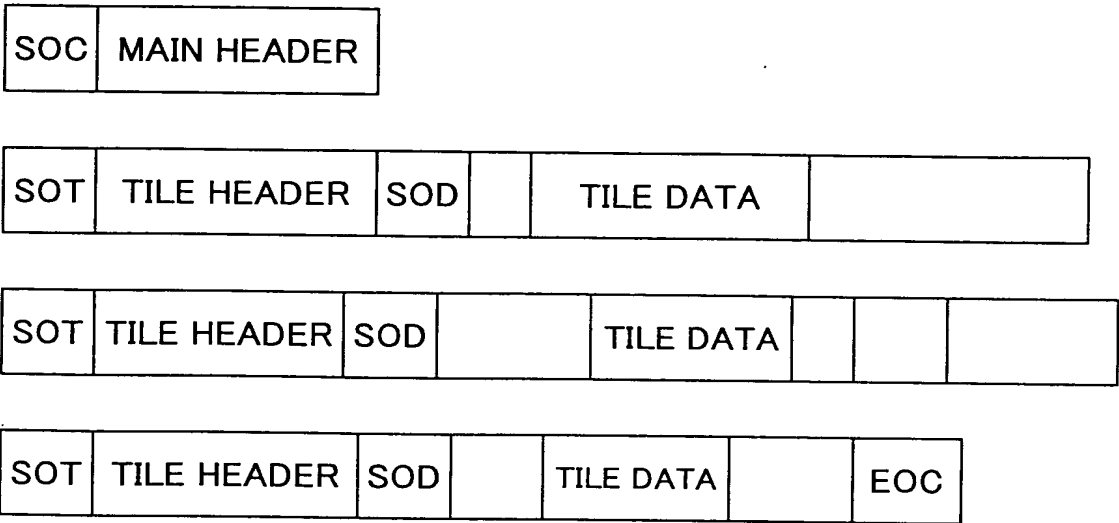


FIG.7

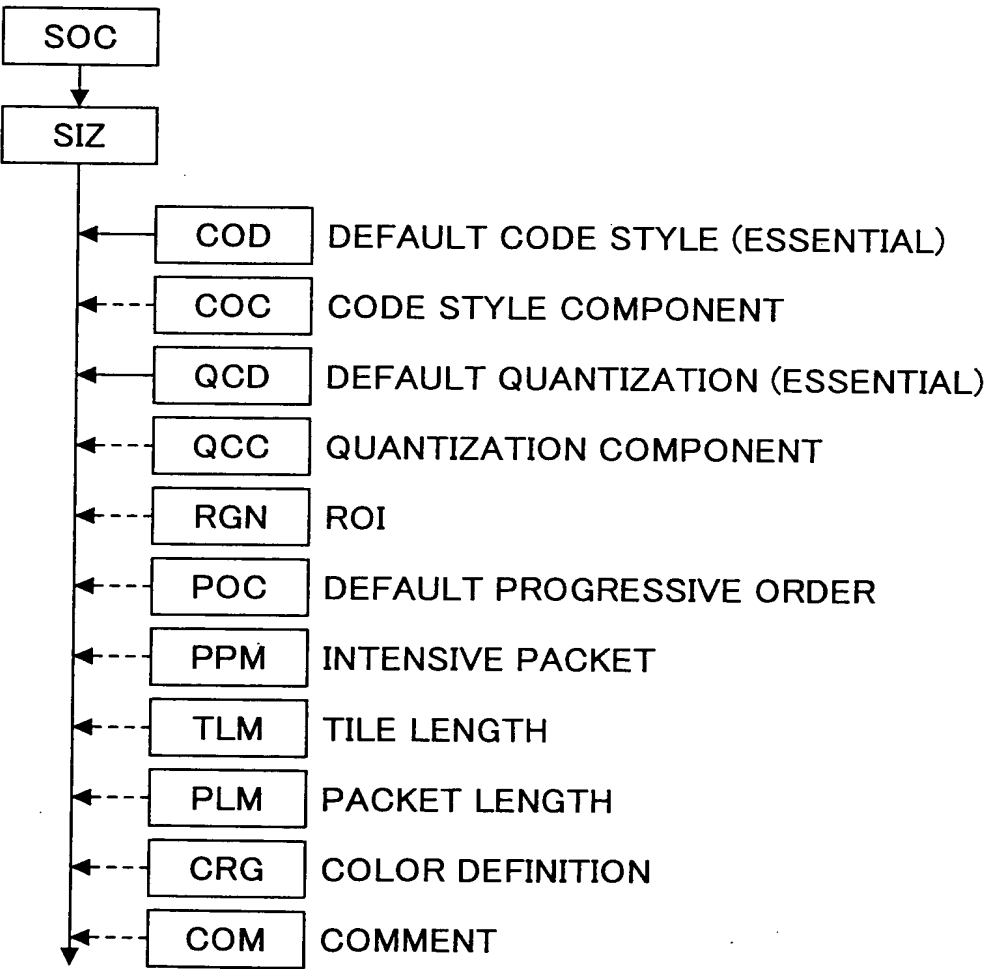


FIG.8A

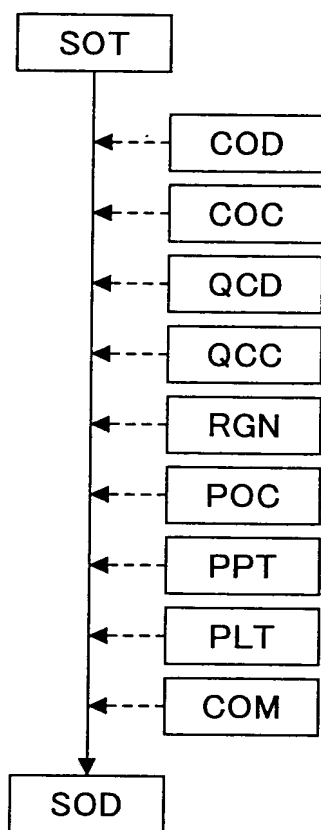


FIG.8B

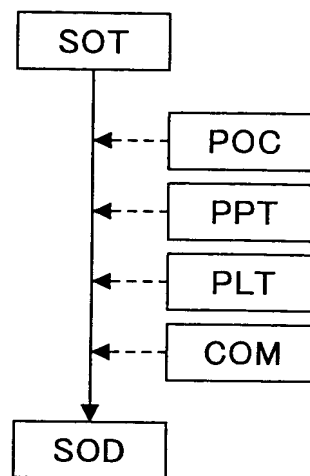


FIG.9

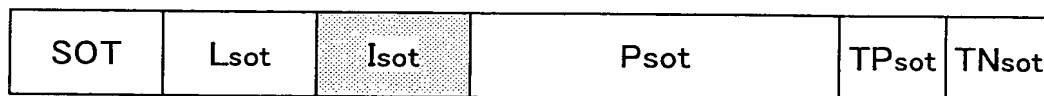


FIG.10

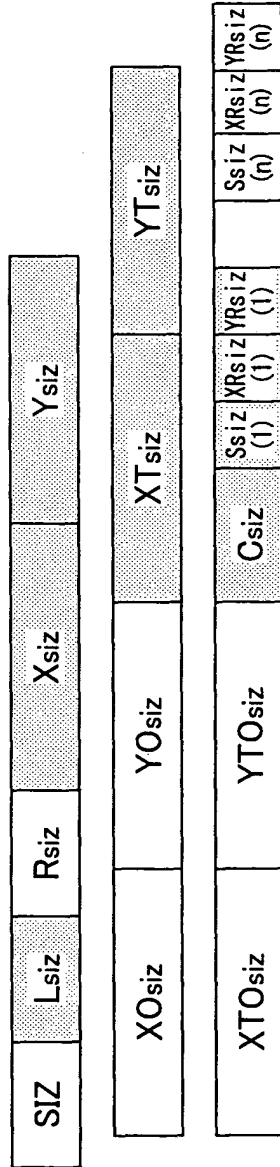


FIG.11

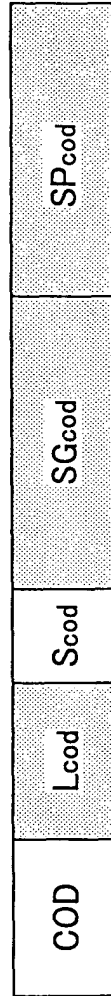


FIG.12

COC	Lcoc	Ccoc	Scoc	SPcoc
-----	------	------	------	-------

FIG.13

QCD	Lqcd	Sqcd	SPqcd (1)		SPqcd (n)
-----	------	------	--------------	--	--------------

FIG.14

QCC	Lqcc	Cqcc	Sqcc	SPqcc (1)		SPqcc (n)
-----	------	------	------	--------------	--	--------------

FIG.15

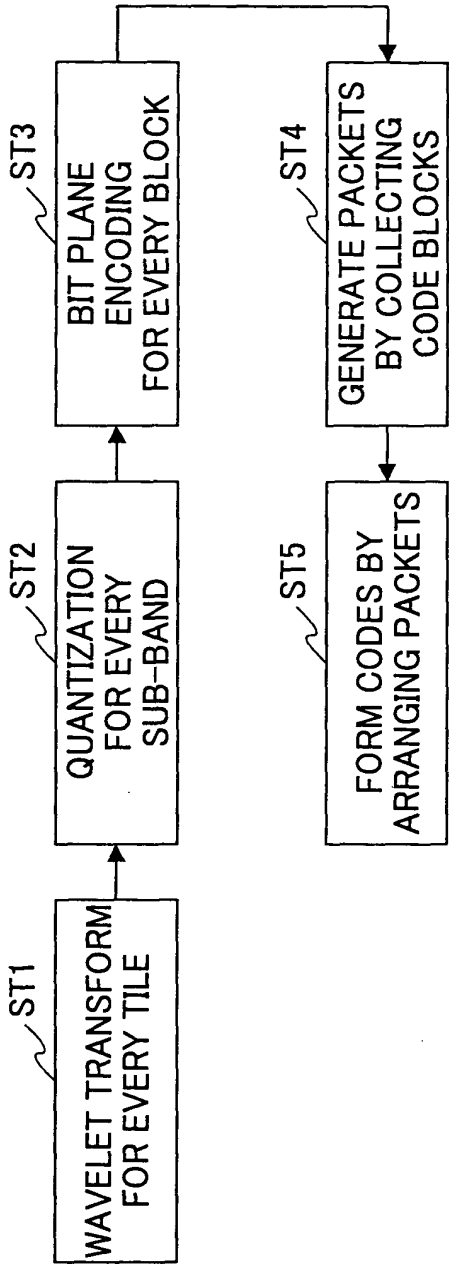
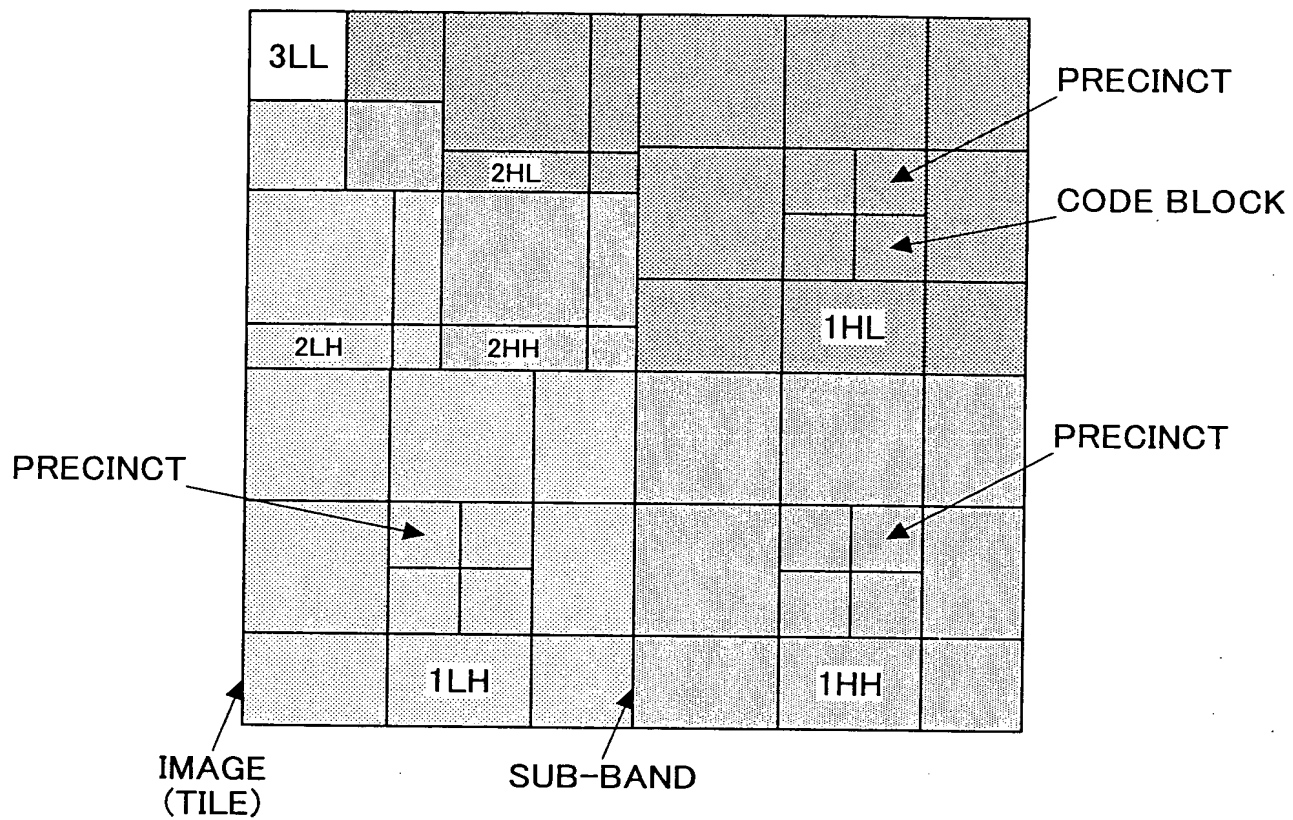
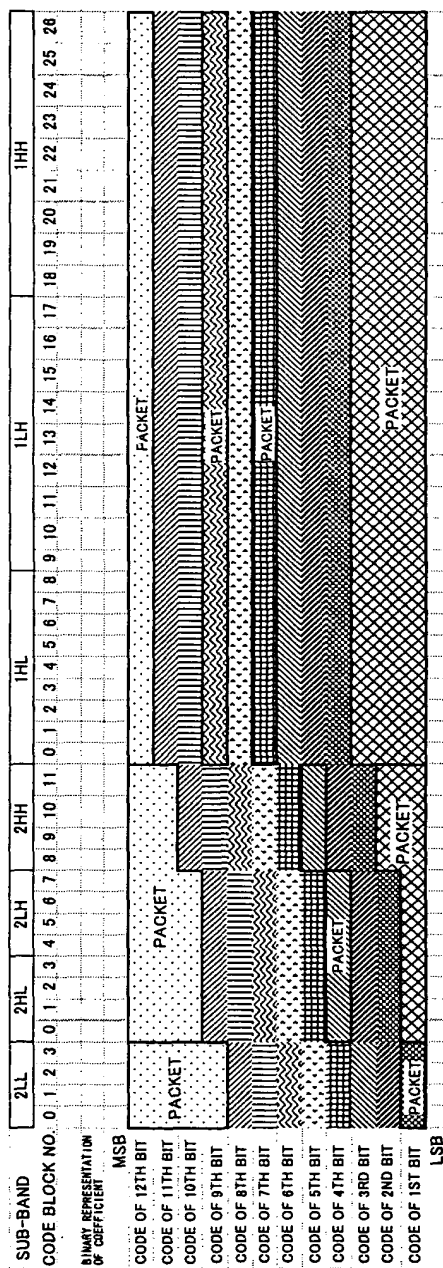
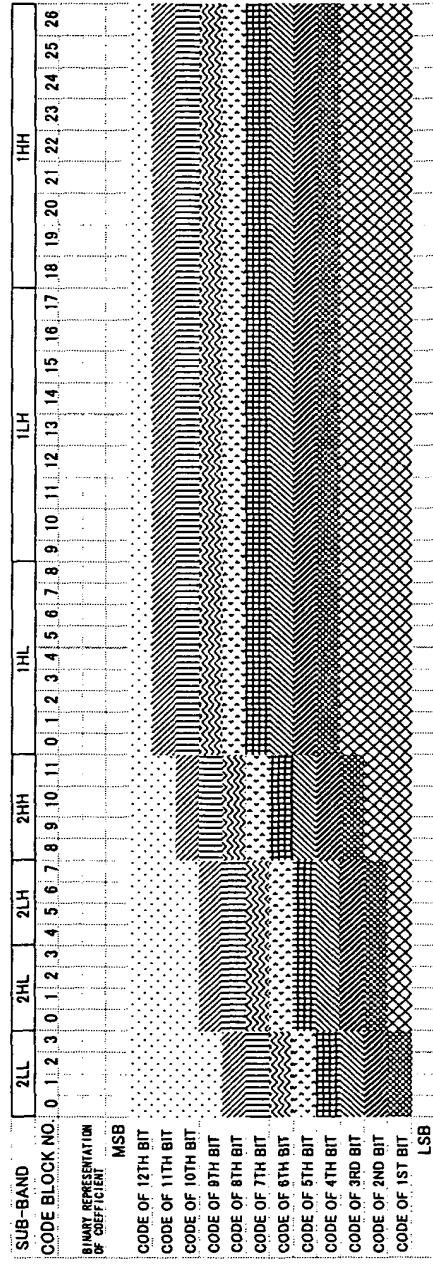


FIG.16





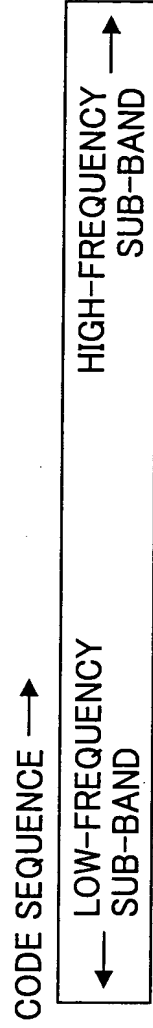


FIG.18A

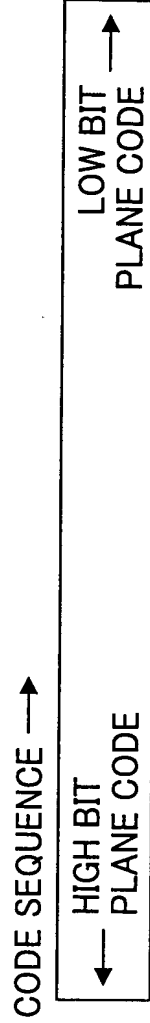


FIG.18B

FIG.19

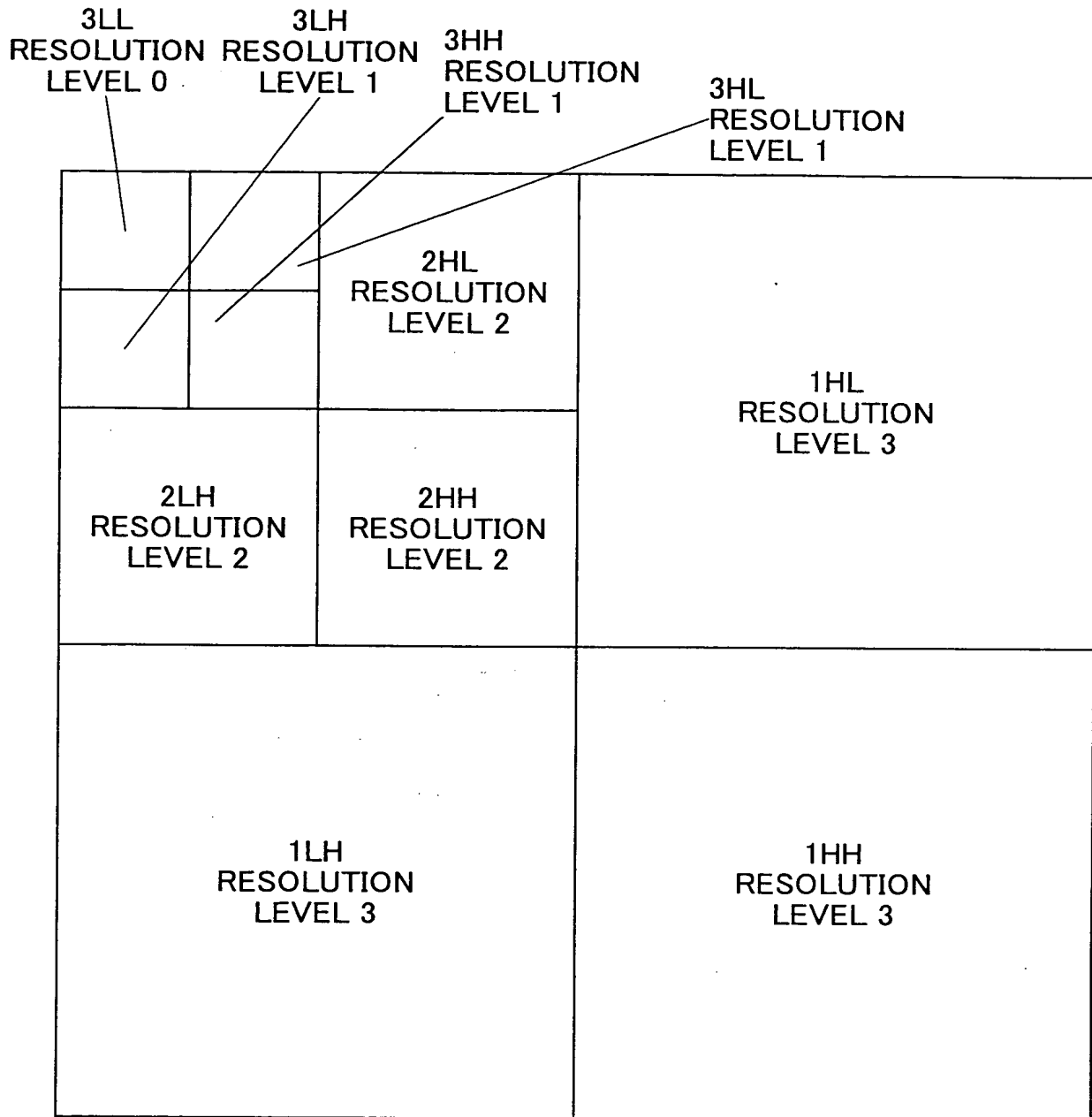


FIG.20

SOC		MAIN HEADER				
RESOLUTION-ORDERED PROGRESSIVE						
SOT	TILE HEADER		SOD	RESOLUTION ₀	RESOLUTION 1	RESOLUTION 2
						EOC

FIG.21

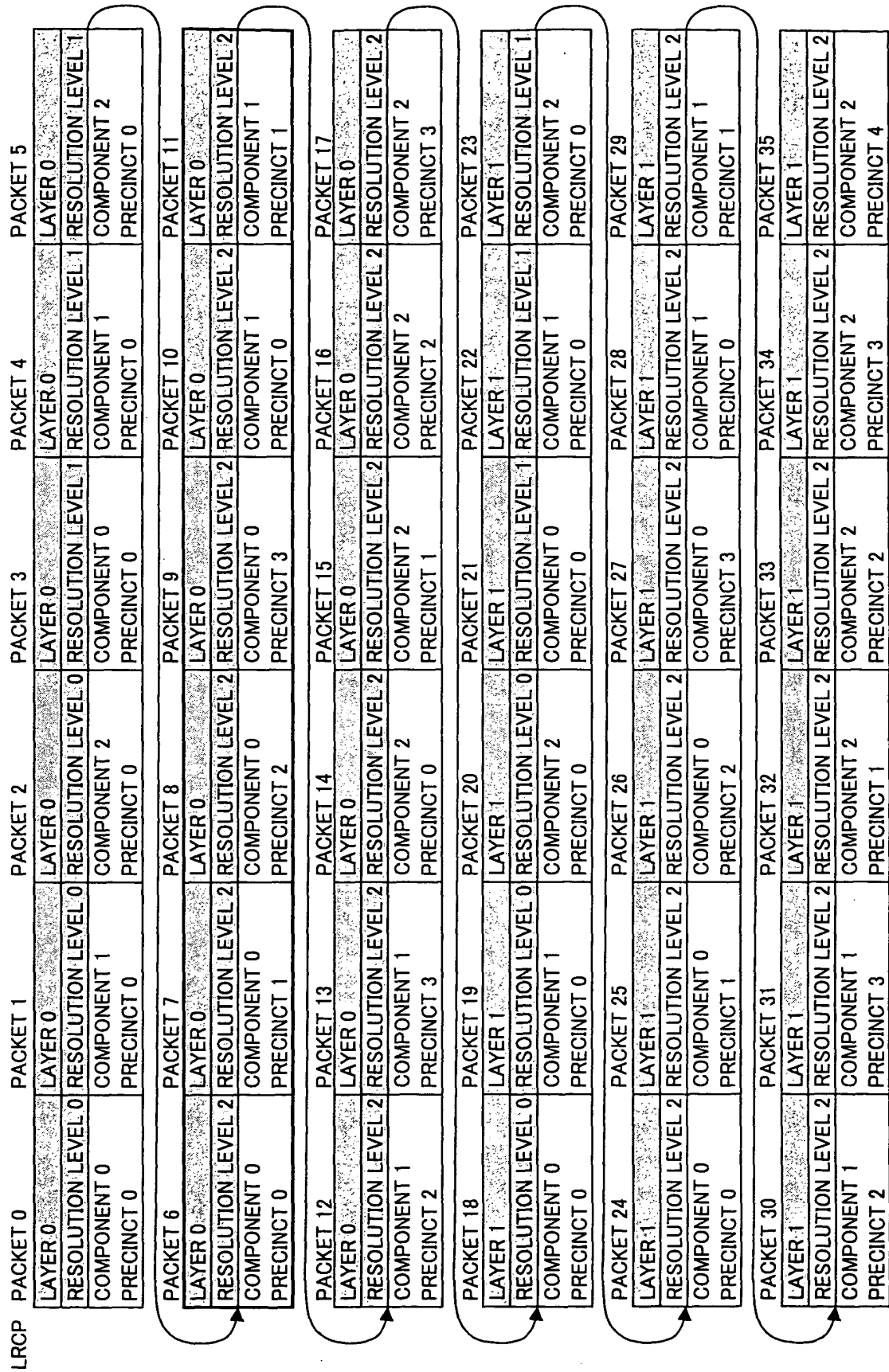


FIG.22

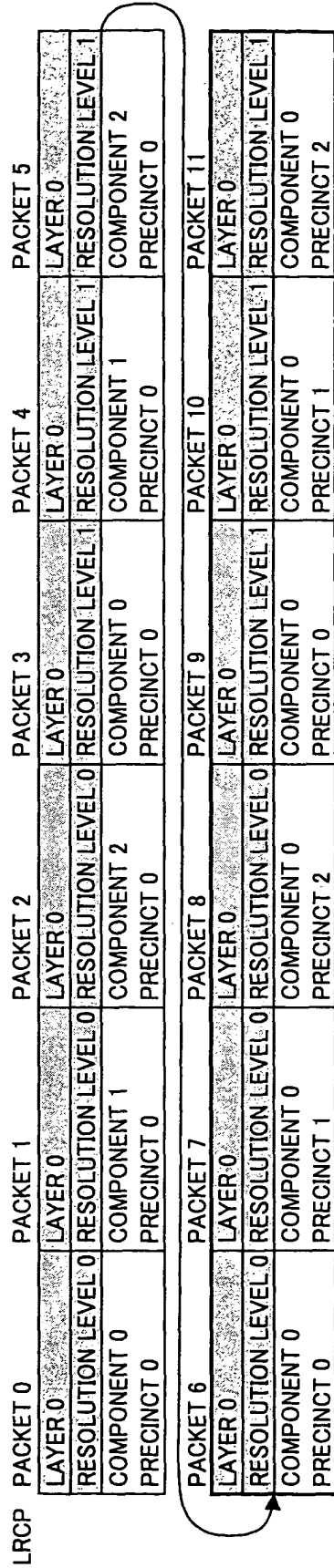


FIG.23

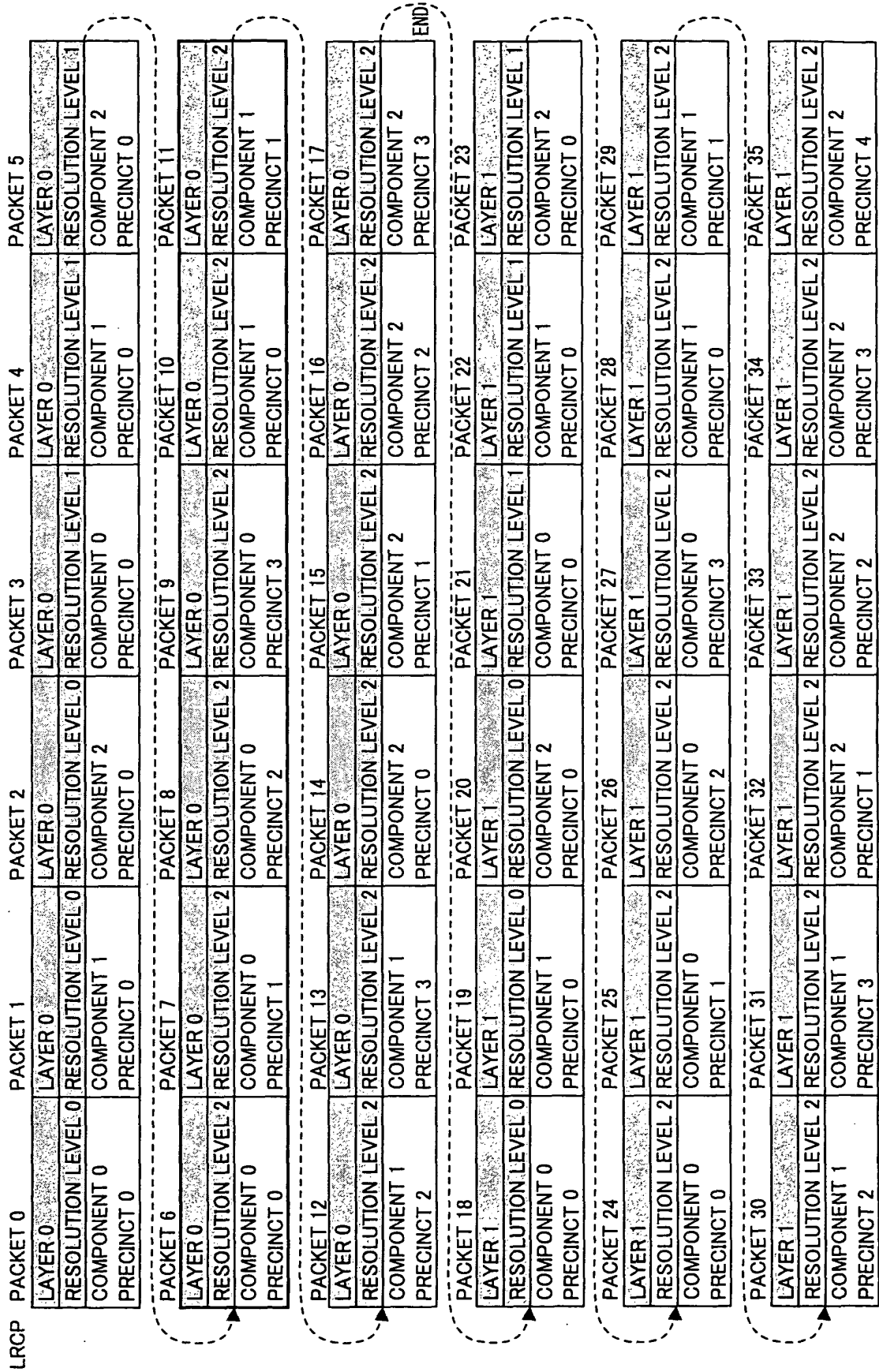


FIG.24

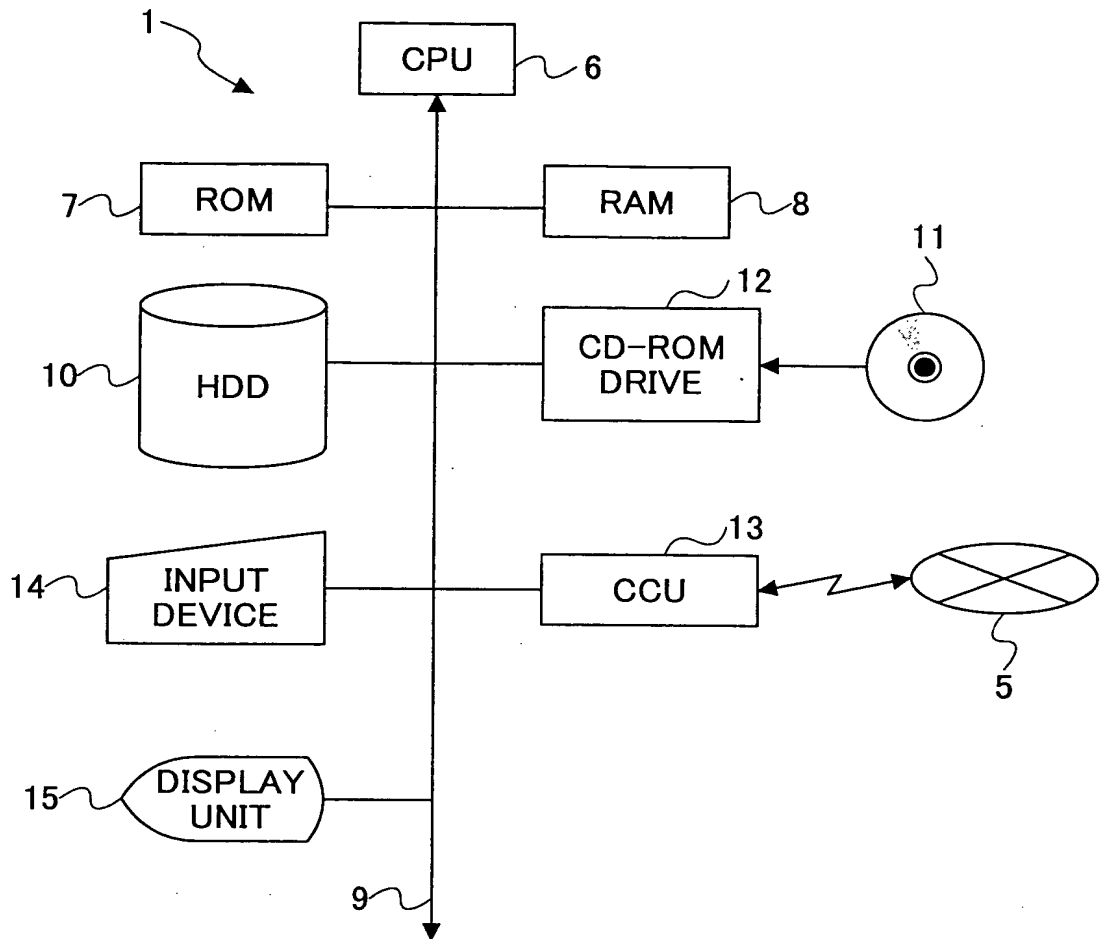


FIG.25

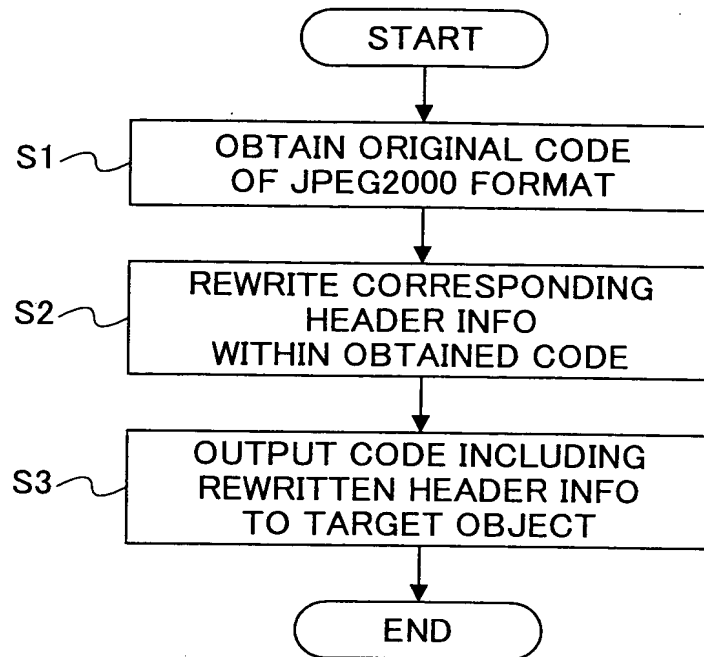


FIG.26

FF 4F FF 51 00 2F 00 00-00 00 00 10 00 00 00 10
00 00 00 00 00 00 00 00-00 00 00 10 00 00 00 10
00 00 00 00 00 00 00 00-00 03 07 01 01 07 01 01
07 01 01 FF 52 00 0C 00-00 00 04 01 03 04 04 00
01 FF 5C 00 0D 20 50 58-58 60 58 58 60 58 58 60
FF 64 00 0E 00 01 4B 61-6B 61 64 75 2D 33 2E 31
FF 90 00 0A 00 00 00 00-03 5A 00 01 FF 93 CF BC
18 05 03 83 BB F7 F2 C1-F3 04 0C 08 91 9B C3 E9
0A 0B 3A 86 79 2D C3 EC-05 87 D2 16 0F 98 20 03
BA 7C 4D 9D 04 B0 CF 47-34 0E 48 3B E2 C0 E0 A0
7C 40 E0 70 40 07 A1 00-D3 CF 06 ED C0 61 41 F3
04 81 C1 00 04 0E 0E 90-49 71 0C 4C C7 D6 21 0F
A4 84 3E 91 E0 20 C6 E6-6B 19 46 AF 34 B2 CE 49
31 BD 0E 44 E8 0E CF DC-55 F0 DD 9E 6A 68 97 56
8B B1 DC 9C 1A 22 64 CD-A2 E2 D3 A3 5B D3 41 C0
A2 17 1E 54 C1 E1 A1 F1-08 00 00 F1 2C 8D 41 D4
1F 01 73 A5 3F 4B 90 14-C1 E1 A1 F1 88 81 C1 00
20 1B FF 36 4F 90 00 D9-DC AA 7F 80 92 2C 24 55
C3 E4 41 1F 31 D8 38 20-30 47 C4 41 BD CC 63 02
E5 68 33 38 64 E3 CE A7-53 F4 3A E4 A9 D5 C4 57
0F 22 57 64 91 6E D3 D1-07 6A CF EA 87 E3 18 55
39 E7 21 1D 7C 72 45 01-BA 2B 81 6D 9E 68 38 C2
59 4D 85 8A 8D 3D C7 80-C3 A2 00 57 6C 41 EB 80
80 80 9F 00 20 6E 9C 08-4B FC 20 80 6F F4 4E 0B
E0 10 C2 04 A1 89 C0 4B-A6 57 79 56 C3 0C 04 60
9B D9 00 D5 4A F0 5C 1E-18 D8 89 0A EC 25 8F 2E
11 F4 AC 6E 9E 42 81 0C-89 59 18 44 74 2A 21 09
3B 64 3A 63 73 DB 0A 1D-64 0C C3 BE 3D 32 B4 CB
2D F3 54 A4 C1 14 11 00-5E AF 50 B0 F4 C8 3A 30
44 80 FC 95 0B D6 87 65-9B FD EC 4A 53 01 B0 E2
A6 16 80 80 80 80 FC 60-BA 0F 81 7E CC F4 27 9F
30 30 96 57 31 80 FB 4F-80 48 40 1A 63 D9 EC 1F
DF EE B0 97 FC 23 F0 7C-18 FB FB D2 6C 16 36 4F
D0 85 7F E1 93 49 F1 1D-3F 2C 6A F1 A7 1F F5 A7
50 01 EB CD 6F 97 98 DE-EA 35 59 27 93 84 E0 D0
70 12 DB E8 41 56 1F 9A-62 4A 33 4F F4 DE 94 A6
77 C0 7F 40 AD 06 1B AD-D1 FA 4A B9 BE 6D 68 31
7A 7E 34 FA 0B 2F F1 5D-4E 07 49 79 65 8C 02 4C
71 11 E1 A1 F9 F1 BC D9-36 6C AC CB 0A E3 CB 32
71 88 C5 AE F0 DB AB 19-3E 82 2C 75 BB 0C D2 DE
2B C0 C0 C0 C1 D0 20 C1-07 81 82 C1 D0 20 C1 04
00 F8 4E 86 F2 89 07 9D-91 95 54 05 20 86 F5 C6
56 7A FD B9 3C C1 D0 BE-20 C0 9F 6E B9 CD E2 D7
53 D7 E4 74 8F 90 D8 0D-4D 54 FE 4C 21 FD 8E 17
11 FE 1E D7 DF 19 F9 D2-74 CF 10 75 CE 38 22 5A
AB 3D E8 6E A0 CA 9A 8B-1D DC BB E0 91 EC 79 3D
E2 55 FC AB BE 54 90 3E-A2 F0 D2 BA A2 AA 99 0E
BE 6D A1 89 47 A0 C5 73-E9 F7 FB 20 24 C8 2C 34
3D 0E 92 97 7D 53 D8 4C-53 8A 1C 78 CD C1 75 49
10 0D 20 E0 44 25 84 E9-23 B1 52 DB 29 A4 CA 4B
63 E4 15 BC 3B A1 3C CA-93 1E E9 C5 AB A8 05 99
3D B3 25 18 33 18 DA FD-29 E0 BE BC D3 FD 4F 3A
C9 A1 6C 94 A8 CA 91 37-71 AC C8 19 D5 23 87 80
B6 7D 2F 2B 8A 58 5C 7B-2C 35 B1 00 6A 64 11 FC
46 3E 22 DF 32 60 FC 88-19 8D FC 8F B9 60 2E 1C
8F 9E C9 BD 7F C4 BE A3-11 5B D0 AB A1 4B 79 53
64 BC 26 F7 41 0B 33 80-25 F2 D1 AC 88 AB 2C 00
E0 EE D2 77 A9 D3 07 3F-EC 19 6E C9 6E A5 9E 9F
A9 A1 1E 37 55 36 1F A8-29 BB 0A 7F 1E 12 93 A3
FE B2 60 E4 70 38 41 FB-09 83 FF D9

FIG.27

SOC SIZ Lsiz Rsiz Xsiz Ysiz
[FF4F][FF51][002F][0000][0000 0010] [0000 0010]
 X0siz Y0siz XTsiz YTsiz
[0000 0000] [0000 0000]-[0000 0010] [0000 0010]
 XT0siz YT0siz Csiz Ssiz XR YR Ssiz XR YR
[0000 0000] [0000 00 00]-[0003][07][01][01]07 01 01
 SGcod SPcod

Ssiz XR YR COD Lcod Scod pg layer ct lev cbw h sty

07 01 01 [FF52][000C][00] 00 0004 01 03 04 04 00

SPqcd

wt QCO Lqcd Sqcd LL HL LH HH HL LH HH HL LH HH
01[FF5C] 000D 20 50 58-58 60 58 58 60 58 58 60

COM

[FF64] 00 0E 00 01 4B 61-6B 61 64 75 2D 33 2E 31

SOD

FF 90 00 0A 00 00 00 00-03 5A 00 01[FF93] CF BC
18 05 03 83 BB F7 F2 C1-F3 04 0C 08 91 9B C3 E9
0A 0B 3A 86 79 2D C3 EC-05 87 D2 16 0F 98 20 03
BA 7C 4D 9D 04 B0 CF 47-34 0E 48 3B E2 C0 E0 A0

S

E0 EE D2 77 A9 D3 07 3F-EC 19 6E C9 6E A5 9E 9F
A9 A1 1E 37 55 36 1F A8-29 BB 0A 7F 1E 12 93 A3

EOC

FE B2 60 E4 70 38 41 FB-09 83 [FFD9]

FIG.28

SOC SIZ Lsiz Rsiz Xsiz Ysiz
[FF4F] [FF51] [002F] [0000] [0000 0010] [0000 0010]
 XOsiz YOsiz XTsiz YTsiz
[0000 0000] [0000 0000] - [0000 0010] [0000 0010]
 XT0siz YT0siz Csiz Ssiz XR YR Ssiz XR YR
[0000 0000] [0000 00 00] - [0003] [07] [01] [01] 07 01 01
 SGcod SPcod

Ssiz XR YR COD Lcod Scod pg layer ct lev cbw h sty

07 01 01 [FF52] [000C] [00] 00 0002 01 03 04 04 00

SPqcd

wt QCO Lqcd Sqcd LL HL LH HH HL LH HH HL LH HH
01[FF5C] 000D 20 50 58-58 60 58 58 60 58 58 60
COM

[FF64] 00 0E 00 01 4B 61-6B 61 64 75 2D 33 2E 31

SOD

FF 90 00 0A 00 00 00 00-03 5A 00 01[FF93] CF BC
18 05 03 83 BB F7 F2 C1-F3 04 0C 08 91 9B C3 E9
0A 0B 3A 86 79 2D C3 EC-05 87 D2 16 0F 98 20 03
BA 7C 4D 9D 04 B0 CF 47-34 0E 48 3B E2 C0 E0 A0

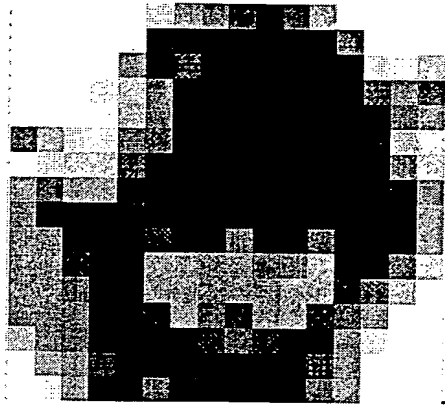
}

E0 EE D2 77 A9 D3 07 3F-EC 19 6E C9 6E A5 9E 9F
A9 A1 1E 37 55 36 1F A8-29 BB 0A 7F 1E 12 93 A3

EOC

FE B2 60 E4 70 38 41 FB-09 83 [FFD9]

FIG.29A



ORIGINAL IMAGE 4 LAYERS

FIG.29B

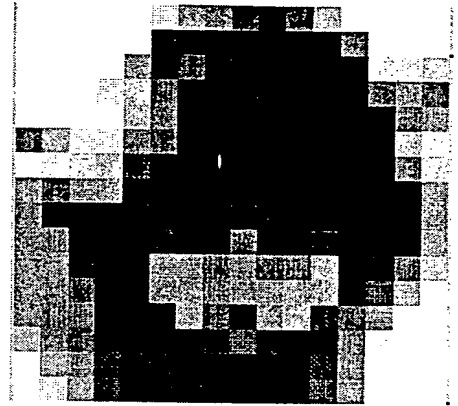


IMAGE DECODED
AFTER REWRITING 2 LAYERS

FIG.30


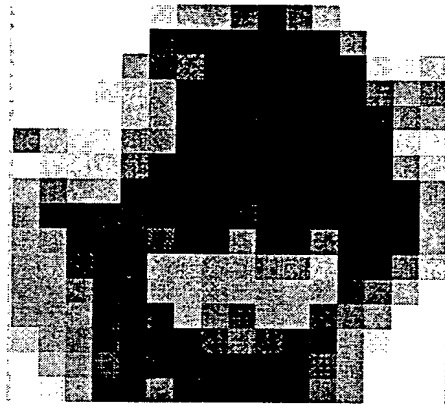
SOC	SIZ	Lsiz	Rsiz	Xsiz	Ysiz
[FF4F]	[FF51]	[002F]	[0000]	[0000 0010]	[0000 0010]
	X0siz	Y0siz	XTsiz	YTsiz	
	[0000 0000]	[0000 0000]	[0000 0010]	[0000 0010]	
	XT0siz	YT0siz	Csiz	Ssiz	XR YR Ssiz XR YR
	[0000 0000]	[0000 00 00]	[0003]	[07]	[01][01]07 01 01
			SGcod	SPcod	
	Ssiz	XR YR	COD	Lcod Scod pg lay	ct lev cbw cbh sty
	07 01 01	[FF52]	000C 00	- 01 0004 01	03 04 04 00
			SPqcd		
wt	QCO	Lqcd	Sqcd	LL HL LH HH HL LH HH HL LH HH	
01	[FF5C]	000D	20	50 58-58 60 58 58 60 58 58 60	
COM					
[FF64]00 0E 00 01 4B 61-6B 61 64 75 2D 33 2E 31					
SOD					
FF 90 00 0A 00 00 00 00-03 5A 00 01 [FF93]CF BC					
18 05 03 83 BB F7 F2 C1-F3 04 0C 08 91 9B C3 E9					
0A 0B 3A 86 79 2D 80 80-80 80 80 80 C0 C0 C0 C3					
					
E0 EE D2 77 A9 D3 07 3F-EC 19 6E C9 6E A5 9E 9F					
A9 A1 1E 37 55 36 1F A8-29 BB 0A 7F 1E 12 93 A3					
EOC					
FE B2 60 E4 70 38 41 FB-09 83 [FFD9]					

FIG.31

SOC SIZ Lsiz Rsiz Xsiz Ysiz
[FF4F][FF51][002F][0000][0000 0008][0000 0008]
X0siz Y0siz XTsiz YTsiz
[0000 0000][0000 0000]-[0000 0008][0000 0008]
XT0siz YT0siz Csiz Ssiz XR YR Ssiz XR YR
[0000 0000][0000 00 00]-[0003][07][01][01]07 01 01
SGcod SPcod
Ssiz XR YR COD Lcod Scod pg lay ct lev cbw cbh sty
07 01 01 [FF52] 000C 00 - 01 0004 01 02 04 04 00
SPqcd
wt QCO Lqcd Sqcd LL HL LH HH HL LH HH
01 [FF5C] 000A 20 50 58-58 60 58 58 60
COM
[FF64]00 0E 00 01 4B 61-6B 61 64 75 2D 33 2E 31
SOD
FF 90 00 0A 00 00 00 00-03 5A 00 01 [FF93]CF BC
18 05 03 83 BB F7 F2 C1-F3 04 0C 08 91 9B C3 E9
0A 0B 3A 86 79 2D 80 80-80 80 80 80 C0 C0 C0 C3
E0 EE D2 77 A9 D3 07 3F-EC 19 6E C9 6E A5 9E 9F
A9 A1 1E 37 55 36 1F A8-29 BB 0A 7F 1E 12 93 A3
EOC
FE B2 60 E4 70 38 41 FB-09 83 [FFD9]

FIG.32A



ORIGINAL IMAGE DECOMPOSITION
LEVEL 3

FIG.32B

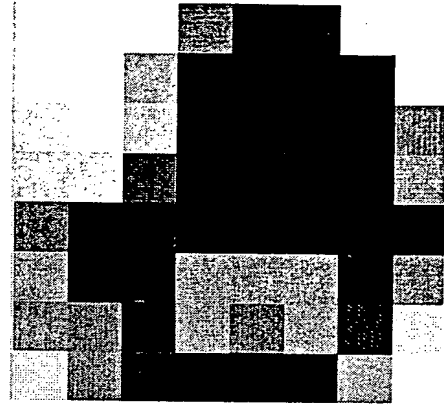


IMAGE DECODED DECOMPOSITION
AFTER REWRITING LEVEL2

FIG.33

SOC SIZ Lsiz Rsiz Xsiz Ysiz

[FF4F] [FF51] [002F] [0000] [0000 0010] [0000 0010]

XOsiz YOsiz XTsiz YTsiz

[0000 0000] [0000 0000] - [0000 0010] [0000 0010]

XTOsiz YTOsiz Csiz Ssiz XR YR Ssiz XR YR

[0000 0000] [0000 00 00] - [0003] [07] [01] [01] 07 01 01

SGcod SPcod

Ssiz XR YR COD Lcod Scod pg lay ct lev cbw cbh sty

07 01 01 [FF52] 000C 00- 04 0004 01 03 04 04 00

SPqcd

wt QCO Lqcd Sqcd LL HL LH HH HL LH HH HL LH HH

01 [FF5C] 000D 20 50 58-58 60 58 58 60 58 58 60

COM

[FF64] 00 0E 00 01 4B 61-6B 61 64 75 2D 33 2E 31

SOD

FF 90 00 0A 00 00 00 00-03 5A 00 01 [FF93] CF BC

18 05 03 83 BB F7 F2 80-80 C0 C3 EC 05 87 D2 16

0F 98 20 03 BA 7C 4D 9D-04 B0 CF 47 34 0E 48 3B

E2 9F 00 20 6E 80 C1 D0-20 C7 D6 21 0F A4 84 3E

S

E0 EE D2 77 A9 D3 07 3F-EC 19 6E C9 6E A5 9E 9F

A9 A1 1E 37 55 36 1F A8-29 BB 0A 7F 1E 12 93 A3

EOC

FE B2 60 E4 70 38 41 FB-09 83 [FFD9]

FIG.34

SOC SIZ Lsiz Rsiz Xsiz Ysiz

[FF4F] [FF51] [0029] [0000] [0000 0010] [0000 0010]

 XOsiz YOsiz XTsiz YTsiz

[0000 0000] [0000 0000] - [0000 0010] [0000 0010]

 XTOsiz YTOsiz Csiz Ssiz XR YR

[0000 0000] [0000 00 00] - [0001] [07] [01] [01]

SGcod SPcod

COD Lcod Scod pg lay ct lev cbw cbh sty

[FF52] 000C 00- 04 0004 00 03 04 04 00

 SPqcd

wt QCO Lqcd Sqcd LL HL LH HH HL LH HH HL LH HH

01 [FF5C] 000D 20 50 58-58 60 58 58 60 58 58 60

COM

[FF64] 00 0E 00 01 4B 61-6B 61 64 75 2D 33 2E 31

 SOD

FF 90 00 0A 00 00 00 00-03 5A 00 01 [FF93] CF BC

18 05 03 83 BB F7 F2 80-80 C0 C3 EC 05 87 D2 16

0F 98 20 03 BA 7C 4D 9D-04 B0 CF 47 34 0E 48 3B

S

EO EE D2 77 A9 D3 07 3F-EC 19 6E C9 6E A5 9E 9F

A9 A1 1E 37 55 36 1F A8-29 BB 0A 7F 1E 12 93 A3

 EOC

FE B2 60 E4 70 38 41 FB-09 83 [FFD9]

FIG.35A



ORIGINAL IMAGE 3 COMPONENTS

FIG.35B

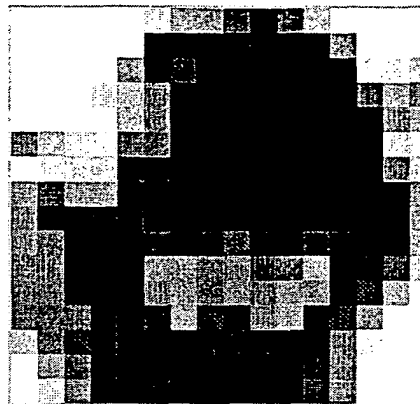


IMAGE DECODED
AFTER REWRITING 1 COMPONENT

FIG.36

```

SOC  SIZ  Lsiz  Rsiz  Xsiz  Ysiz
[FF4F][FF51][002F][0000][0000 0010][0000 0010]

XOsize  YOsize  XTsize  YTsize
[0000 0000][0000 0000][0000 0008][0000 0008]

XT0size  YT0size  Csize Ssize XR YR Ssize XR YR
[0000 0000][0000 00 00]-[0003][07][01][01]070101
SGcod  SPcod
Ssize XR YR COD Lcod Scod pg lay ct lev cbw cbh sty
07 01 01 [FF52] 000C 00- 00 0004 01 02 04 04 00
SPqcd

wt QCD Lqcd Sqcd LL HL LH HH HL LH HH COM
01 [FF5C] 000A 20 50 58-58 60 58 58 60 [FF64] 00
SOT Lsot
0E 00 01 4B 61 6B 61 64-75 2D 33 2E 31 [FF90][00
Isot
0A][0000] 00 00 01 28 00-01 FF 93 CF BC 18 04 D3
E2 6C 1B 49 C1 F3 03 10-44 39 C0 C2 0B FB C3 EC
05 87 C6 12 0F 8C 18 0A-43 63 13 14 0F E3 C1 98
0F 1F D4 C0 C2 00 0B 3D-C0 F8 02 00 DC 17 C1 E2

46 FC 61 FE 51 30 0F 90-60 53 BF C1 0D 88 71 25
48 CC 5F 77 38 6B 7D FF-44 08 C6 A8 9D 63 AF 92
SOT Lsot Isot
40 C6 2A 0D 42 [FF90][000A][0001]00 00 01 31 00
01 FF 93 C7 D8 0A 08 D3-6E 81 94 C0 F0 60 0D AE
4B C0 F8 03 0E 27 E4 C7-D2 12 0F 98 24 3E 60 60

E2 7E 24 C6 38 97 0F 22-AF 38 6D 71 4F 79 96 40
FC 82 3E 51 50 3E A0 C0-2D DE 49 C3 DD DD 5D B1
67 AC 14 8D C7 BD E9 B8-3B E1 24 70 23 3F A5 35
SOT Lsot Isot
38 49 5B 38 0B 91 [FF90][000A][0002]00 00 01 46
00 01 FF 93 C7 D2 14 0D-FA 72 41 43 C7 D2 10 0C
57 32 99 C7 CC 10 0B 61-46 C5 C3 E6 09 0F B0 16
0F 8C 18 0E 9D 8C 75 0B-91 0C C8 3D 0C 10 FA C1

E0 29 DD 44 98 69 44 5F-CB FC 41 FE 41 3F 38 C0
D4 62 9F B3 C4 AB C0 F1-0C 96 0E C0 6C CE 41 0C
SOT Lsot
A3 E8 53 B9 43 5C AA FB-A9 2A 90 49 [FF90][000A]
Isot
[0003]00 00 01 48 00 01-FF 93 C7 D8 0A 06 84 51
0A 6C C3 E6 08 0C 0D 24-D4 C7 D8 0A 0B 67 3B C1

31 10 1F 38 E0 EE 2C 3A-69 09 62 CE 56 D3 88 0E
79 5E DB 34 F2 66 17 DC-9E 5B AE E9 32 6F 55 5C
F6 58 31 76 FF D9

```

FIG.37

```

SOC  SIZ  Lsiz  Rsiz  Xsiz  Ysiz
[FF4F][FF51][002F][0000][0000 0010][0000 0008]

X0siz  Y0siz  XTsiz  YTtiz
[0000 0000][0000 0000]-[0000 0008][0000 0008]

XT0siz  YT0siz  Csize Ssize XR YR Ssize XR YR
[0000 0000][0000 00 00]-[0003][07][01][01]070101
SGcod  SPcod
Ssize XR YR COD Lcod Scod pg lay ct lev cbw cbh sty
07 01 01 [FF52] 000C 00- 00 0004 01 02 04 04 00
SPqcd
wt QCO Lqcd Sqcd LL HL LH HH HL LH HH COM
01 [FF5C] 000A 20 50 58-58 60 58 58 60 [FF64] 00
SOT Lsot
0E 00 01 4B 61 6B 61 64-75 2D 33 2E 31 [FF90][00
Isot
0A][0000] 00 00 01 28 00-01 FF 93 CF BC 18 04 D3
E2 6C 1B 49 C1 F3 03 10-44 39 C0 C2 0B FB C3 EC
05 87 C6 12 0F 8C 18 0A-43 63 13 14 0F E3 C1 98

46 FC 61 FE 51 30 0F 90-60 53 BF C1 0D 8B 71 25
48 CC 5F 77 38 6B 7D FF-44 08 C6 A8 9D 63 AF 92
SOT Lsot Isot
40 C6 2A 0D 42 [FF90][000A][0001]00 00 01 31 00
01 FF 93 C7 D8 0A 08 D3-6E 81 94 C0 F0 60 0D AE
4B C0 F8 03 0E 27 E4 C7-D2 12 0F 98 24 3E 60 60

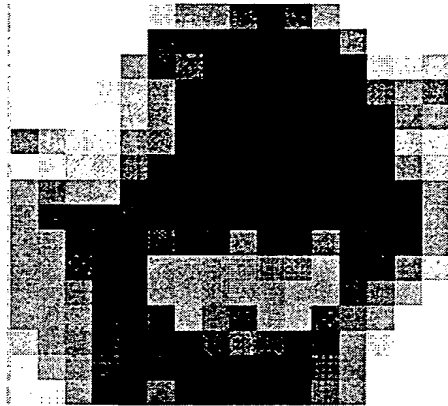
E2 7E 24 C6 38 97 0F 22-AF 38 6D 71 4F 79 96 40
FC 82 3E 51 50 3E A0 C0-2D DE 49 C3 DD DD 5D B1
67 AC 14 8D C7 BD E9 B8-3B E1 24 70 23 3F A5 35
SOT Lsot Isot
38 49 5B 3B 0B 91 [FF90][000A][0002]00 00 01 46
00 01 FF 93 C7 D2 14 0D-FA 72 41 43 C7 D2 10 0C
57 32 99 C7 CC 10 0B 61-46 C5 C3 E6 09 0F B0 16

E0 29 DD 44 98 69 44 5F-CB FC 41 FE 41 3F 38 C0
D4 62 9F B3 C4 AB C0 F1-0C 96 0E C0 6C CE 41 0C
SOT Lsot
A3 E8 53 B9 43 5C AA FB-A9 2A 90 49 [FF90][000A]
Isot
[0003]00 00 01 48 00 01-FF 93 C7 D8 0A 06 84 51
0A 6C C3 E6 08 0C 0D 24-D4 C7 D8 0A 0B 67 3B C1
38 C7 DE 09 0F B0 16 0F-8C 18 0F D3 91 7E 0C 4B

31 10 1F 38 E0 EE 2C 3A-69 09 62 CE 56 D3 88 0E
79 5E DB 34 F2 66 17 DC-9E 5B AE E9 32 6F 55 5C
F6 58 31 76 FF D9

```


FIG.38A



ORIGINAL IMAGE 4 TILES

FIG.38B

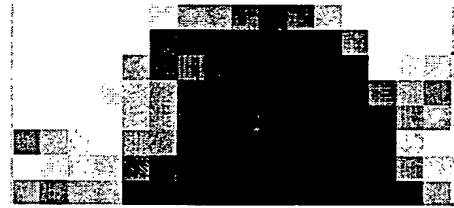
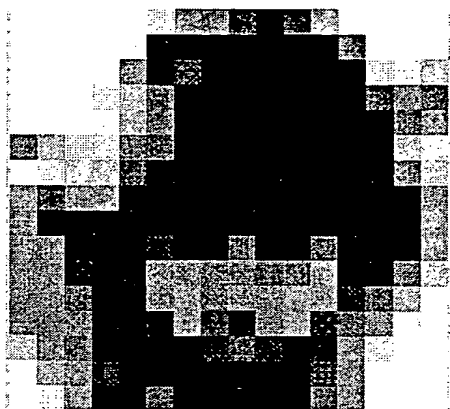


IMAGE DECODED
AFTER REWRITING 2 TILES

FIG.39

SOC SIZ Lsiz Rsiz Xsiz Ysiz
[FF4F][FF51][002F][0000][0000 0010][0000 0008]
X0siz Y0siz XTsiz YTsiz
[0000 0000][0000 0000]-[0000 0008][0000 0008]
XT0siz YT0siz Csiz Ssiz XR YR Ssiz XR YR
[0000 0000][0000 00 00]-[0003][07][01][01]070101
SGcod SPcod
Ssiz XR YR COD Lcod Scod pg lay ct lev cbw cbh sty
07 01 01 [FF52] 000C 00- 00 0004 01 02 04 04 00
SPqcd
wt QCO Lqcd Sqcd LL HL LH HH HL LH HH COM
01 [FF5C] 000A 20 50 58-58 60 58 58 60 [FF64] 00
SOT Lsot
0E 00 01 4B 61 6B 61 64-75 2D 33 2E 31 [FF90][00
Isot
0A][0001] 00 00 01 28 00-01 FF 93 CF BC 18 04 D3
E2 6C 1B 49 C1 F3 03 10-44 39 C0 C2 0B FB C3 EC
05 87 C6 12 0F 8C 18 0A-43 63 13 14 0F E3 C1 98
S
46 FC 61 FE 51 30 0F 90-60 53 BF C1 0D 8B 71 25
48 CC 5F 77 38 6B 7D FF-44 08 C6 A8 9D 63 AF 92
SOT Lsot Isot
40 C6 2A 0D 42 [FF90][000A][0000]00 00 01 31 00
01 FF 93 C7 D8 0A 08 D3-6E 81 94 C0 F0 60 0D AE
4B C0 F8 03 0E 27 E4 C7-D2 12 0F 98 24 3E 60 60
S
FC 82 3E 51 50 3E A0 C0-2D DE 49 C3 DD DD 5D B1
67 AC 14 8D C7 BD E9 B8-3B E1 24 70 23 3F A5 35
SOT Lsot Isot
38 49 5B 3B 0B 91 [FF90][000A][0002]00 00 01 46
00 01 FF 93 C7 D2 14 0D-FA 72 41 43 C7 D2 10 0C
57 32 99 C7 CC 10 0B 61-46 C5 C3 E6 09 0F B0 16
S
E0 29 DD 44 98 69 44 5F-CB FC 41 FE 41 3F 38 C0
D4 62 9F B3 C4 AB C0 F1-0C 96 0E C0 6C CE 41 0C
SOT Lsot
A3 E8 53 B9 43 5C AA FB-A9 2A 90 49 [FF90][000A]
Isot
[0003]00 00 01 48 00 01-FF 93 C7 D8 0A 06 84 51
0A 6C C3 E6 08 0C 0D 24-D4 C7 D8 0A 0B 67 3B C1
S
79 5E DB 34 F2 66 17 DC-9E 5B AE E9 32 6F 55 5C
F6 58 31 76 FF D9

FIG.40A



ORIGINAL IMAGE 4 TILES

FIG.40B



IMAGE DECODED
AFTER REWRITING 2 TILES
(RIGHT & LEFT REVERSED)

FIG.41

FF 4F FF 51 00 29 00 00-00 00 00 10 00 00 00 10
00 00 00 00 00 00 00 00-00 00 00 10 00 00 00 10
00 00 00 00 00 00 00 00-00 01 07 01 01 FF 5C 00
07 40 40 48 48 50 FF 52-00 0C 00 00 00 01 00 01
04 04 00 01 FF 64 00 25-00 01 43 72 65 61 74 65
64 20 62 79 20 52 4A 32-4B 20 76 65 72 73 69 6F
6E 20 30 2E 31 30 2E 33-28 30 29 FF 90 00 0A 00
00 00 00 00 EC 00 01 FF-93 CF B4 F0 1B 0B F9 AF
13 06 8B 5C 95 4E E8 D6-AD 2B B5 13 3F 8E A7 20
92 96 D6 BD BA 5C 3E DA-A3 0A AF 3F 5D 93 F4 40
CE 91 16 2E ED A3 0B 55-60 41 63 2D 47 3E 5F 88
6A DC 04 4F 96 80 A8 1B-C3 EA 30 87 D4 69 03 E7
64 61 FC 4E 8B 26 43 46-6A D1 5E CB 3D 5C 09 10
1B 0B BD EE 4A 0F 80 4C-03 1E 0D 17 BD FD A7 60
DC 8D 13 3B 48 E9 2E 54-DC 3B 00 25 11 0D 36 83
30 1C 76 1D E7 83 C6 ED-2F 89 D4 C1 78 17 09 41
60 4D BE 25 89 34 71 68-97 60 A6 E5 48 54 FC E9
18 EE 2B AB BE CC 99 C7-C0 02 71 C2 B5 77 9A 90
1D FD E3 9F 9A 15 F3 2E-FE 86 AF 20 52 28 26 40
FB FD 36 99 E6 51 E0 01-1F 02 E2 34 4F E7 CA A3
0D BF 5F FE 7A 96 9B 57-D4 D1 27 53 D8 EF 18 7E
92 38 94 43 40 87 E8 FF-D9

FIG.42

SOC	SIZ	Lsiz	Rsiz	Xsiz	Ysiz
[FF4F]	[FF51]	[0029]	[0000]	[0000 0010]	[0000 0010]
	XOsize	YOsize	XTsize	YTsize	
	[0000 0000]	[0000 0000]	[0000 0010]	[0000 0010]	
	XTsize	YTsize	Csize	Ssize	XR YR QCD Lqcd
	[0000 0000]	[0000 0000]	[0001]	[07]	[01] [01] [FF5C] [00
	SPqcd				SPcod
	LL HL LH HH	COD	Lcod	Scod	lev
07] 40	40 48 48 50	[FF52]	[000C]	[00]	00 00 01 00 01
COM					
04 04 00 01	[FF64]	00 25-00	01 43 72 65 61 74 65		
64 20 62 79 20 52 4A 32-4B	20 76 65 72 73 69 6F				
SOT					
6E 20 30 2E 31 30 2E 33-28	30 29 [FF90]	00 0A 00.			
SOD					
00 00 00 00 EC 00 01	[FF-93]	CF B4 F0 1B 0B F9 AF			
13 06 8B 5C 95 4E E8 D6-AD	2B B5 13 3F 8E A7 20				
92 96 D6 BD BA 5C 3E DA-A3	0A AF 3F 5D 93 F4 40				
CE 91 16 2E ED A3 0B 55-60	41 63 2D 47 3E 5F 88				
6A DC 04 4F 96 80 A8 1B-C3	EA 30 87 D4 69 03 E7				
64 61 FC 4E 8B 26 43 46-6A	D1 5E CB 3D 5C 09 10				
1B 0B BD EE 4A 0F 80 4C-03	1E 0D 17 BD FD A7 60				
DC 8D 13 3B 48 E9 2E 54-DC	3B 00 25 11 0D 36 83				
30 1C 76 1D E7 83 C6 ED-2F	89 D4 C1 78 17 09 41				
60 4D BE 25 89 34 71 68-97	60 A6 E5 48 54 FC E9				
18 EE 2B AB BE CC 99 C7-C0	02 71 C2 B5 77 9A 90				
1D FD E3 9F 9A 15 F3 2E-FE	86 AF 20 52 28 26 40				
FB FD 36 99 E6 51 E0 01-1F	02 E2 34 4F E7 CA A3				
0D BF 5F FE 7A 96 9B 57-D4	D1 27 53 D8 EF 18 7E				
EOC					
92 38 94 43 40 87 E8	[FF-D9]				

FIG.43

FF 4F FF 51 00 29 00 00-00 00 00 00 20 00 00 00 20

00 00 00 00 00 00 00 00-00 00 00 00 20 00 00 00 20

00 00 00 00 00 00 00 00-00 01 07 01 01 FF 5C 00

0A 40 40 48 48 50 48 48 50 FF 52 00 0C 00 00 00 01 00 02

04 04 00 01 FF 64 00 25-00 01 43 72 65 61 74 65

64 20 62 79 20 52 4A 32-4B 20 76 65 72 73 69 6F

6E 20 30 2E 31 30 2E 33-28 30 29 FF 90 00 0A 00

00 00 00 00 EC 00 01 FF-93 CF B4 F0 1B 0B F9 AF

13 06 8B 5C 95 4E E8 D6-AD 2B B5 13 3F 8E A7 20

92 96 D6 BD BA 5C 3E DA-A3 0A AF 3F 5D 93 F4 40

CE 91 16 2E ED A3 0B 55-60 41 63 2D 47 3E 5F 88

6A DC 04 4F 96 80 A8 1B-C3 EA 30 87 D4 69 03 E7 .

64 61 FC 4E 8B 26 43 46-6A D1 5E CB 3D 5C 09 10 ..

1B 0B BD EE 4A 0F 80 4C-03 1E 0D 17 BD FD A7 60

DC 8D 13 3B 48 E9 2E 54-DC 3B 00 25 11 0D 36 83

30 1C 76 1D E7 83 C6 ED-2F 89 D4 C1 78 17 09 41

60 4D BE 25 89 34 71 68-97 60 A6 E5 48 54 FC E9

18 EE 2B AB BE CC 99 C7-C0 02 71 C2 B5 77 9A 90

1D FD E3 9F 9A 15 F3 2E-FE 86 AF 20 52 28 26 40

FB FD 36 99 E6 51 E0 01-1F 02 E2 34 4F E7 CA A3

0D BF 5F FE 7A 96 9B 57-D4 D1 27 53 D8 EF 18 7E

92 38 94 43 40 87 E8 FF-D9

FIG.44

FF 4F FF 51 00 29 00 00-00 00 00 40 00 00 00 40

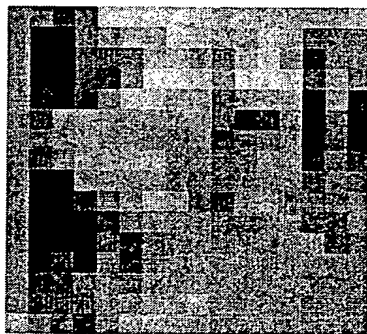
00 00 00 00 00 00 00 00-00 00 00 40 00 00 00 40

00 00 00 00 00 00 00 00-00 01 07 01 01 FF 5C 00

0D 40 40 48 48 50 48 48 50 48 48 50 FF 52 00 0C 00 00 00 01 00 03

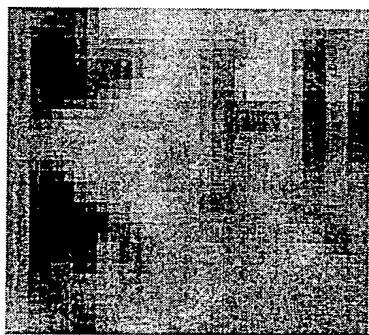
04 04 00 01 FF 64 00 25-00 01 43 72 65 61 74 65
64 20 62 79 20 52 4A 32-4B 20 76 65 72 73 69 6F
6E 20 30 2E 31 30 2E 33-28 30 29 FF 90 00 0A 00
00 00 00 00 EC 00 01 FF-93 CF B4 F0 1B 0B F9 AF
13 06 8B 5C 95 4E E8 D6-AD 2B B5 13 3F 8E A7 20
92 96 D6 BD BA 5C 3E DA-A3 0A AF 3F 5D 93 F4 40
CE 91 16 2E ED A3 0B 55-60 41 63 2D 47 3E 5F 88
6A DC 04 4F 96 80 A8 1B-C3 EA 30 87 D4 69 03 E7
64 61 FC 4E 8B 26 43 46-6A D1 5E CB 3D 5C 09 10
1B 0B BD EE 4A 0F 80 4C-03 1E 0D 17 BD FD A7 60
DC 8D 13 3B 48 E9 2E 54-DC 3B 00 25 11 0D 36 83
30 1C 76 1D E7 83 C6 ED-2F 89 D4 C1 78 17 09 41
60 4D BE 25 89 34 71 68-97 60 A6 E5 48 54 FC E9
18 EE 2B AB BE CC 99 C7-C0 02 71 C2 B5 77 9A 90
1D FD E3 9F 9A 15 F3 2E-FE 86 AF 20 52 28 26 40
FB FD 36 99 E6 51 E0 01-1F 02 E2 34 4F E7 CA A3
0D BF 5F FE 7A 96 9B 57-D4 D1 27 53 D8 EF 18 7E
92 38 94 43 40 87 E8 FF-D9

FIG.45A



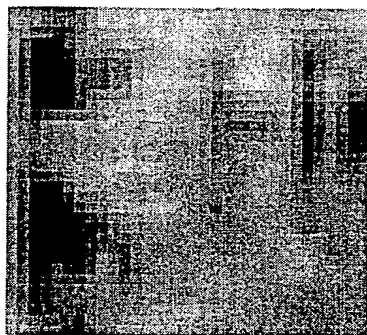
ORIGINAL IMAGE
(16 x 16 PIXELS)

FIG.45B



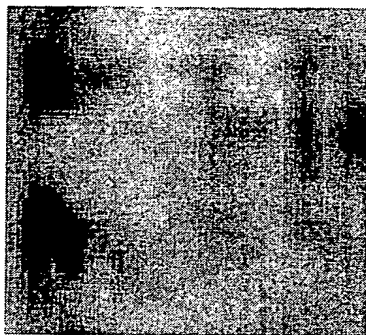
RESOLUTION
INCREASED BY 2 TIMES
BY 3RD ORDER INTERPOLATION
(32 x 32 PIXELS)

FIG.45C



RESOLUTION
INCREASED BY 2 TIMES
BY PRESENT INVENTION
(32 x 32 PIXELS)

FIG.45D



RESOLUTION
INCREASED BY 4 TIMES
BY PRESENT INVENTION
(64 x 64 PIXELS)

FIG.46

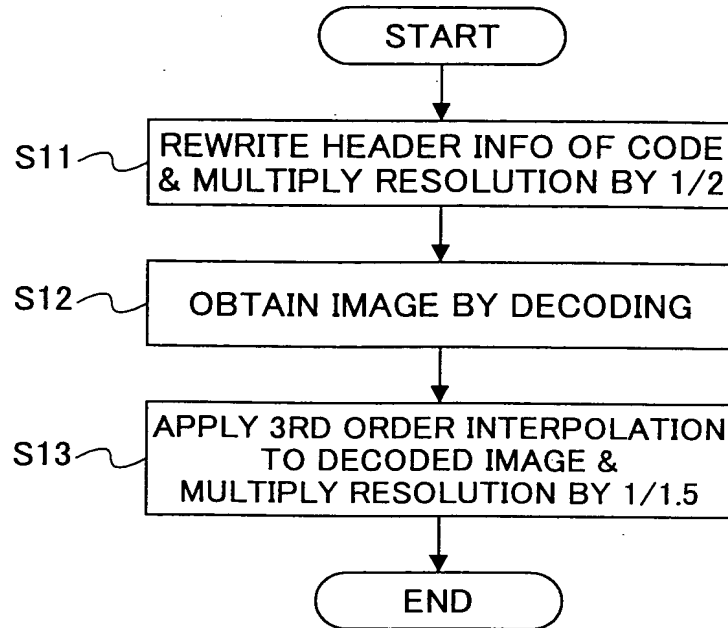


FIG.47

